

Insumate.
Patented Recycled
polypropylene insulation
support tray.



Insumate enables a quick method of achieving consistent coverage of insulation without the risk of insulation compacting or sagging over time.

Lifting the insulation up to the underside of the floor of ceiling also means that using Insumate leaves a gap for down lighters to operate without risk of overheating, and also for an easier installation of wire and cabling (below).



Applications

Insumate trays are available to fit all joist gap widths up to 600mm centres. Varying insulation depths can be achieved by simply mounting the Insumate trays further down the side of the joist. Compatible with solid wood joists, I Joists and open web joists. Trays are installed using a standard stapler, with 60 sq/m installed in 30 minutes. Insumate is covered by fire standard: LPS1207.

Commercial viability

The commercial viability of Insumate covers all timber based construction new builds and also retrofits and refurbishments. The fast installation is suited to modular offsite construction and also time critical construction.

Product description

The Insumate insulation support system is a method of holding all makes of insulation between all kinds of joists. Manufactured from recycled polypropylene, the double skin construction allows for dampened acoustic travel and increased thermal insulation performance.

The Insumate system covers 70% of the underside of the insulation material therefore aiding the insulation to reach its optimal LAMBDA value, by regulating ventilation.

With chipboard and other engineered wood products having their glue content regulated, acoustic properties of such products are falling. Insumate provides a key solution for retaining acoustic integrity in floors and ceilings where acoustic values of traditional materials have fallen.

Production

UK produced; Insumate is available in high volumes and available within 30 days.

Testing

Insumate is BBA prototype accredited, along with being Robust Details recommended for joist types E-FT-1, E-FT-2, E-FT-3.

Insumate vs. traditional insulation support methods.

Insumate	Nets, Bats, Laths
Fast insulation installation, 50sq/m within 30 minutes.	Lengthy installation process.
Low labour costs.	High labour costs, with trades working around each other.
Fast second fix installation.	Higher second fix installation costs.
Consistent insulation coverage, which can be easily inspected.	Insulation becomes compacted and sags over time.
Lengthens the performance life of the insulation by ensuring against compaction and sagging.	Laths, bats and nets subject to sagging.
Enables fire risk free usage of down-lighters.	Insulation rests directly upon down-lighters and their covers.

Life cycle analysis

Initial Insumate investment enables savings in multiple places;

- Accelerated insulation installation times, reducing labour costs.
- Quicker installation second fix cabling and wiring reducing labour costs and speeds up project completion.
- Heating costs reduced as insulation coverage is guaranteed.

Sizes

Insumate is available to fit all joists which are positioned at 400 or 600mm centres. Use of Insumate's ES-1 product also permits the installation of Insumate in joists gap of less than 400mm centres.

Bespoke widths are also available (minimum orders apply).

All trays are 1200mm in length.

Sizes available

Joist	Sizes Available.	
Solid Wood	350mm for 400mm joist centres.	550mm for 600mm joist centres.
I Joist	390mm for 400mm joist centres.	590mm for 600mm joist centres.
Open Web Joist	328/303/278 for 400mm joists gaps (dependent on joists used).	528/503/478 for 600mm joists gaps (dependent on joists used).